

FIGURE 1

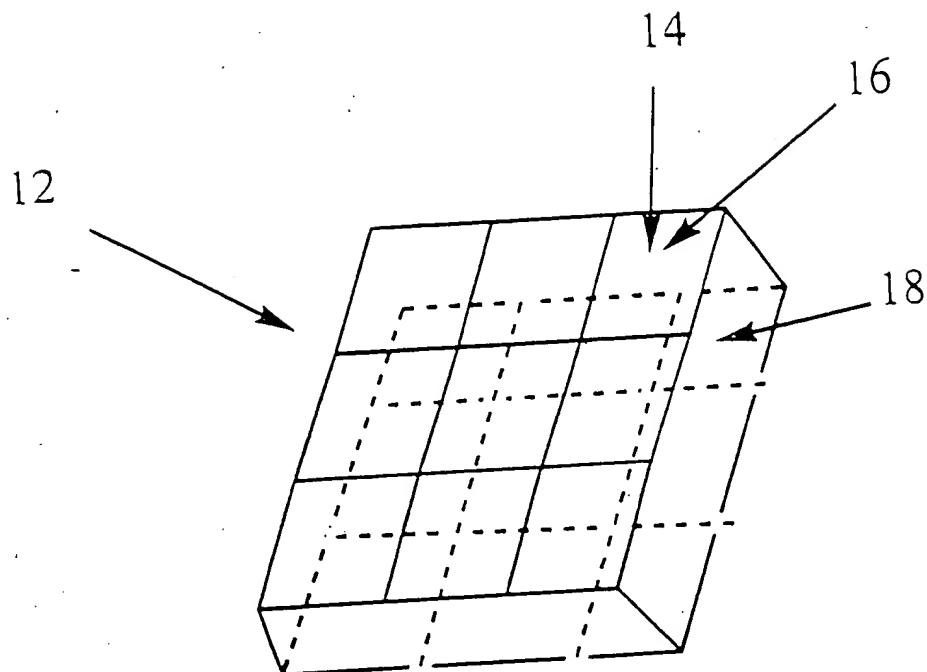


FIGURE 2

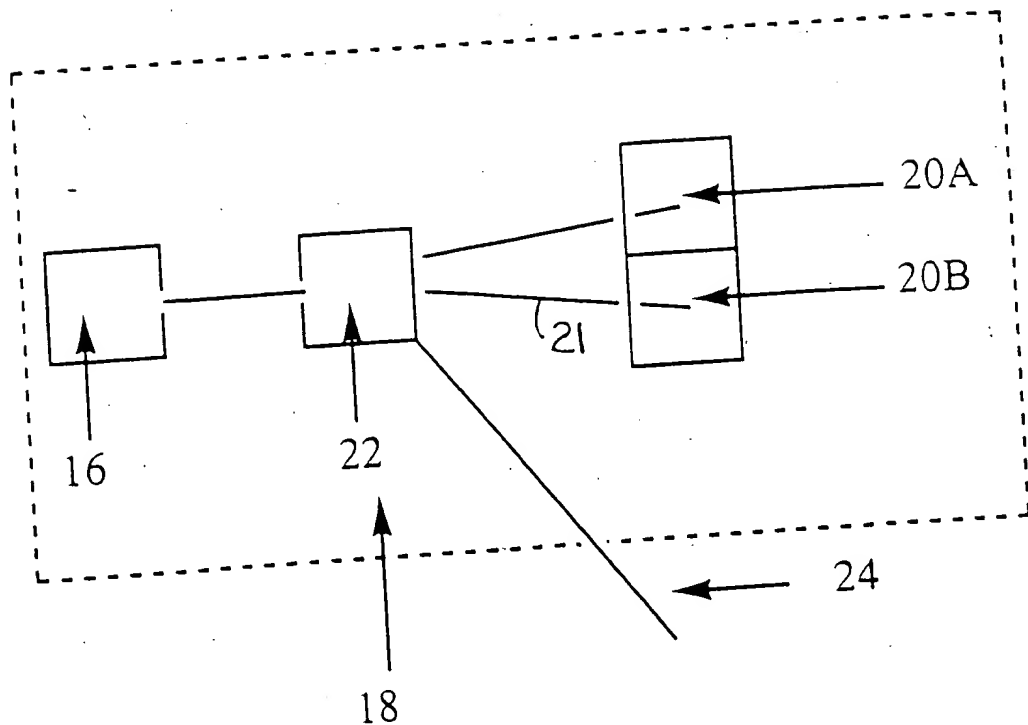


FIGURE 3

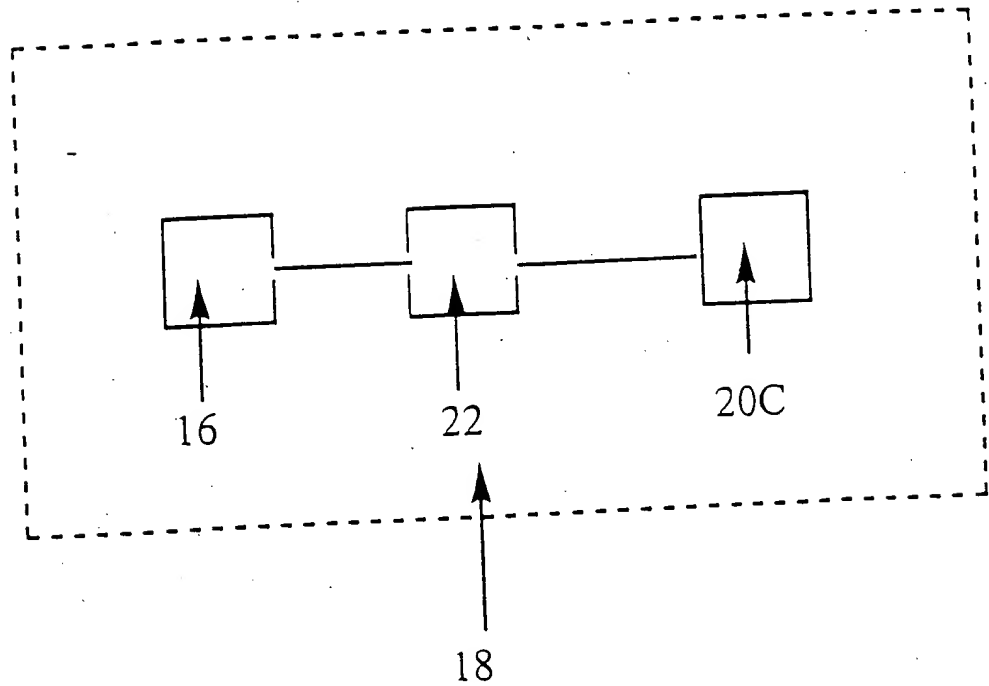


FIGURE 4A

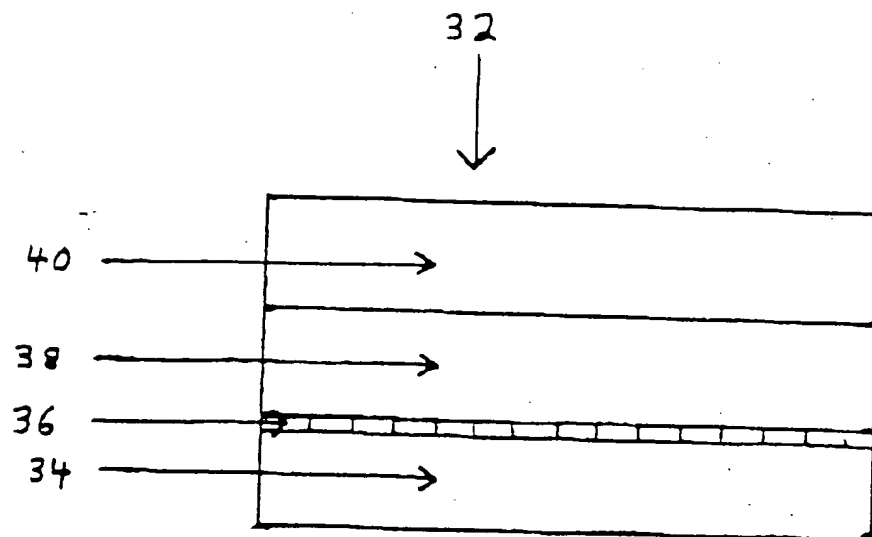


FIGURE 4B

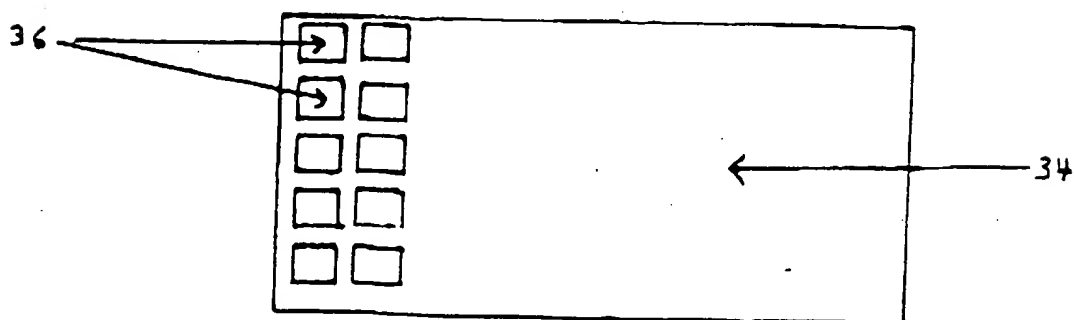


FIGURE 5

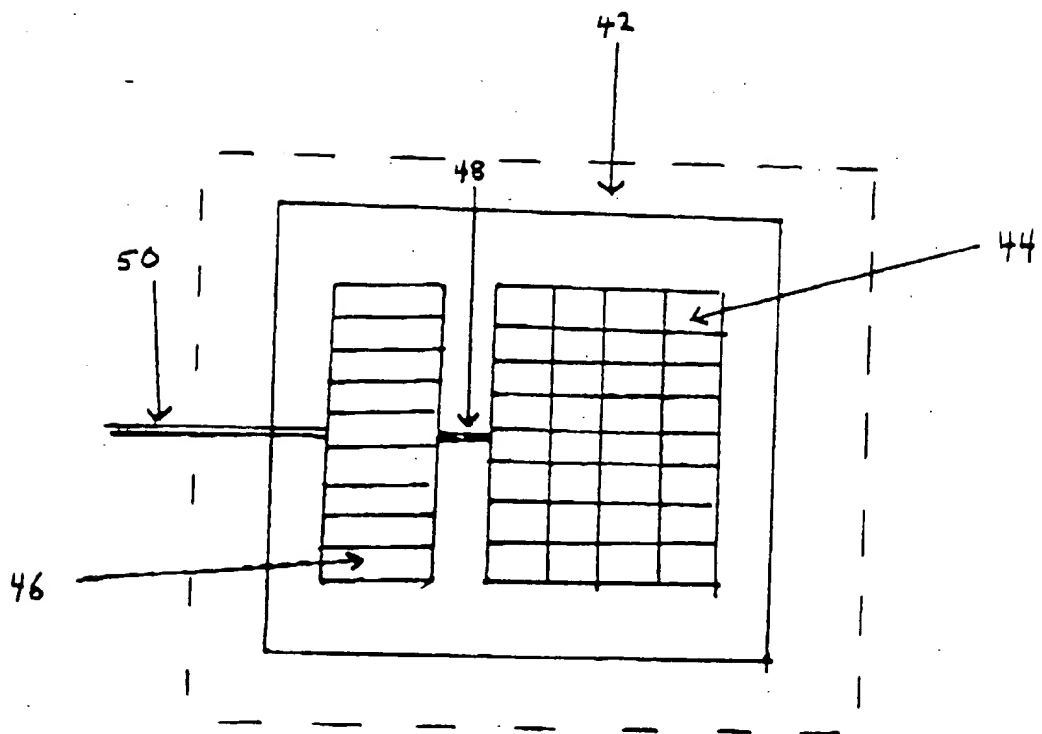


FIGURE 6

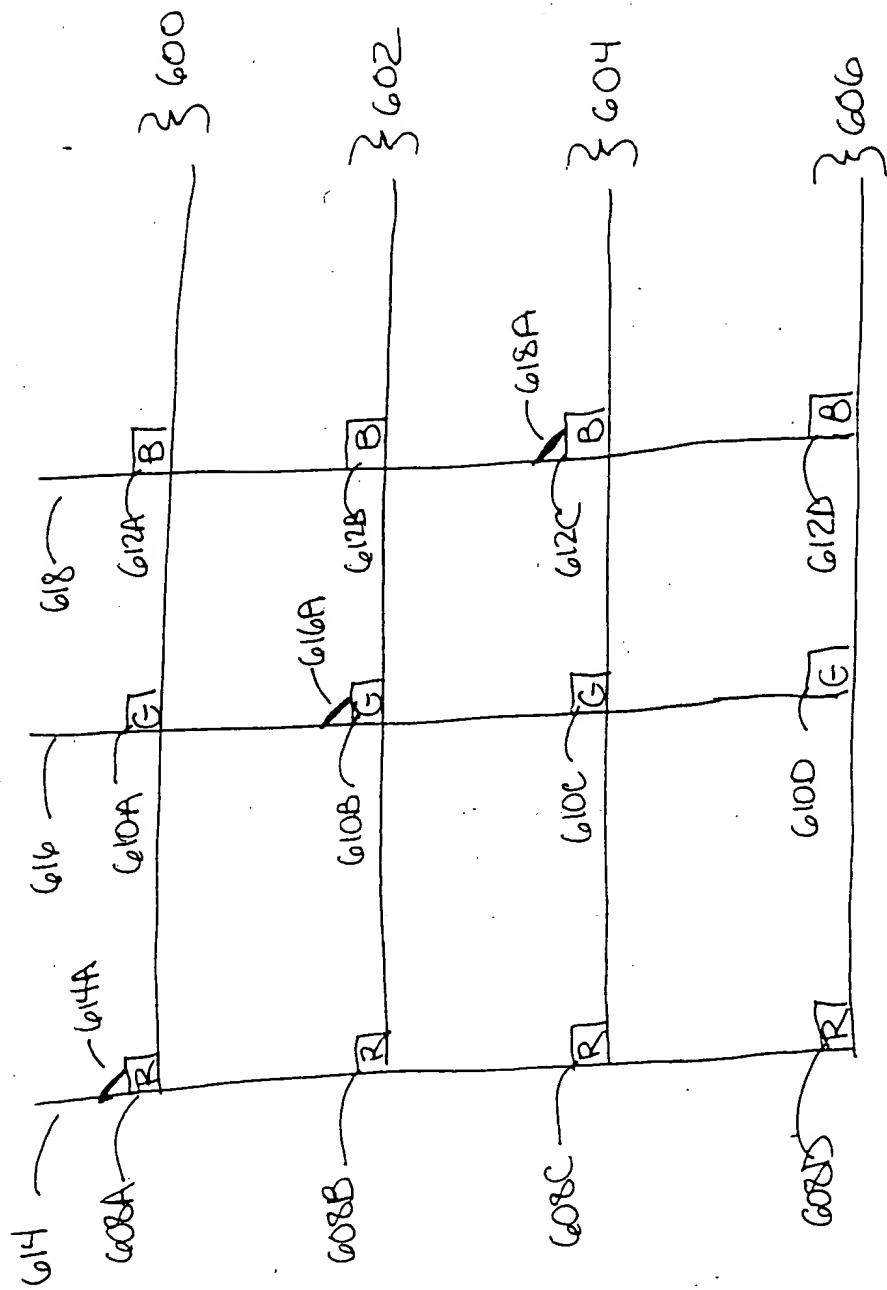


FIG. 7A is a schematic diagram of a system for projecting a light beam onto a surface. The system includes a light source 67, a lens 66, a mirror 62, and a target surface 64. The light beam is projected from the light source 67 through the lens 66 and reflected by the mirror 62 onto the target surface 64. The target surface 64 is shown as a curved surface, and the light beam is shown as a series of lines originating from the light source 67 and passing through the lens 66 and mirror 62.

FIGURE 7A

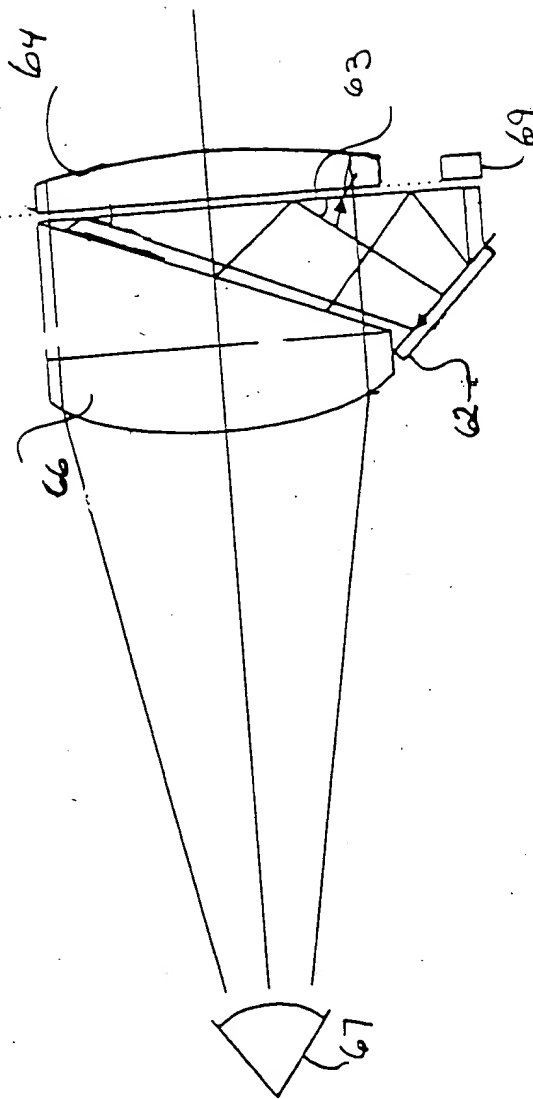
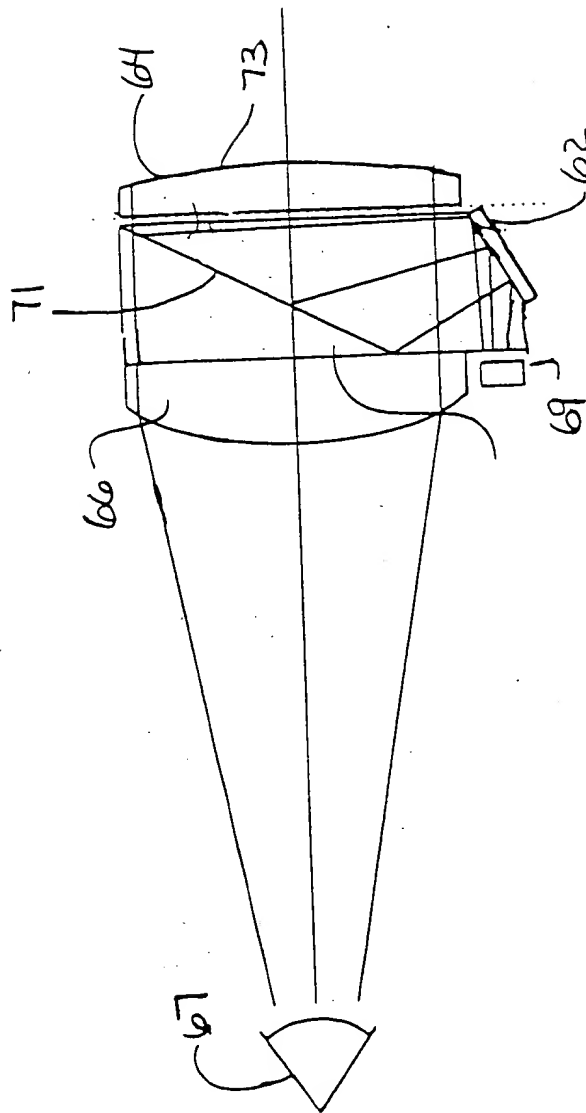


FIGURE 7B



▽ 5

FIGURE 8A

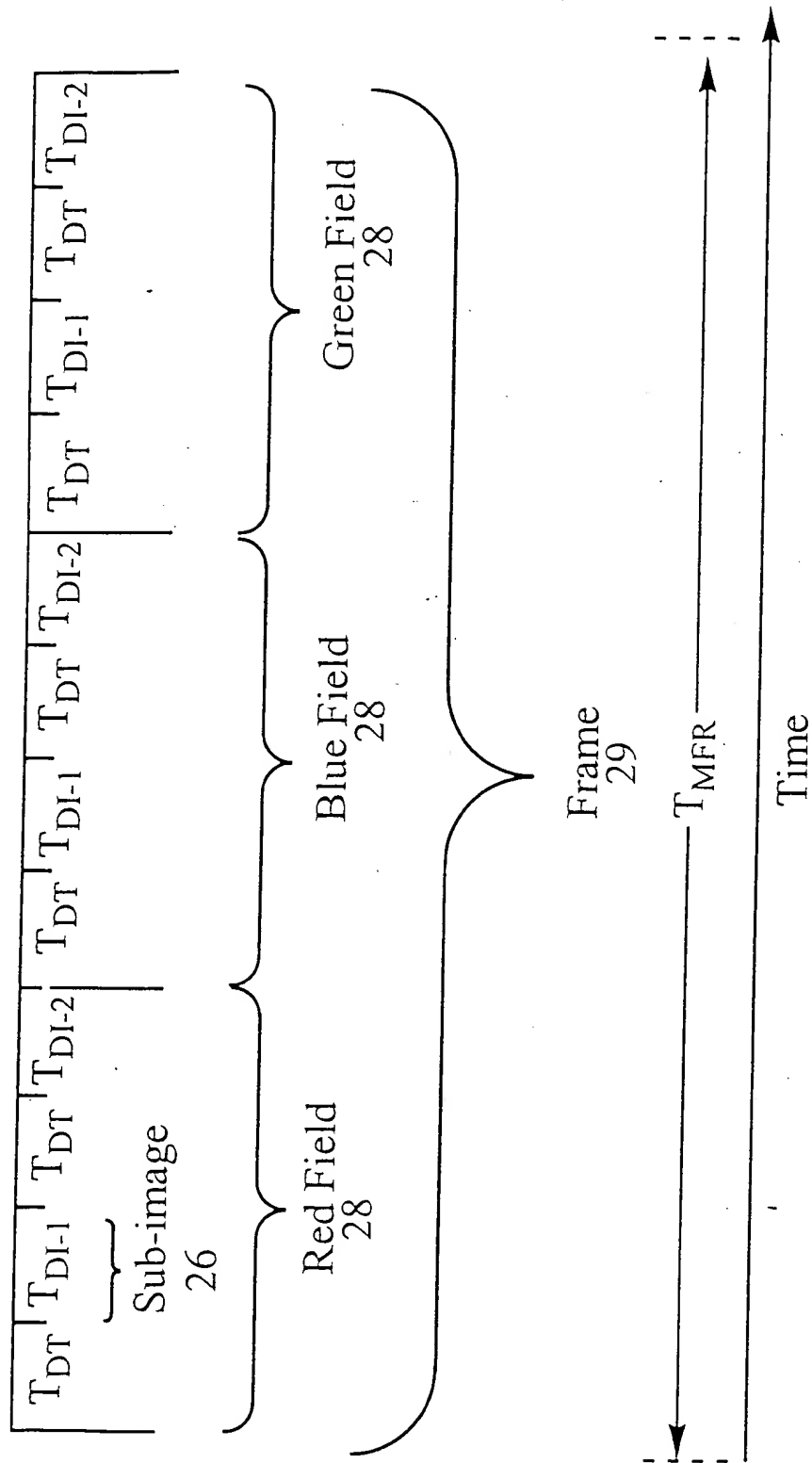


FIGURE 8B

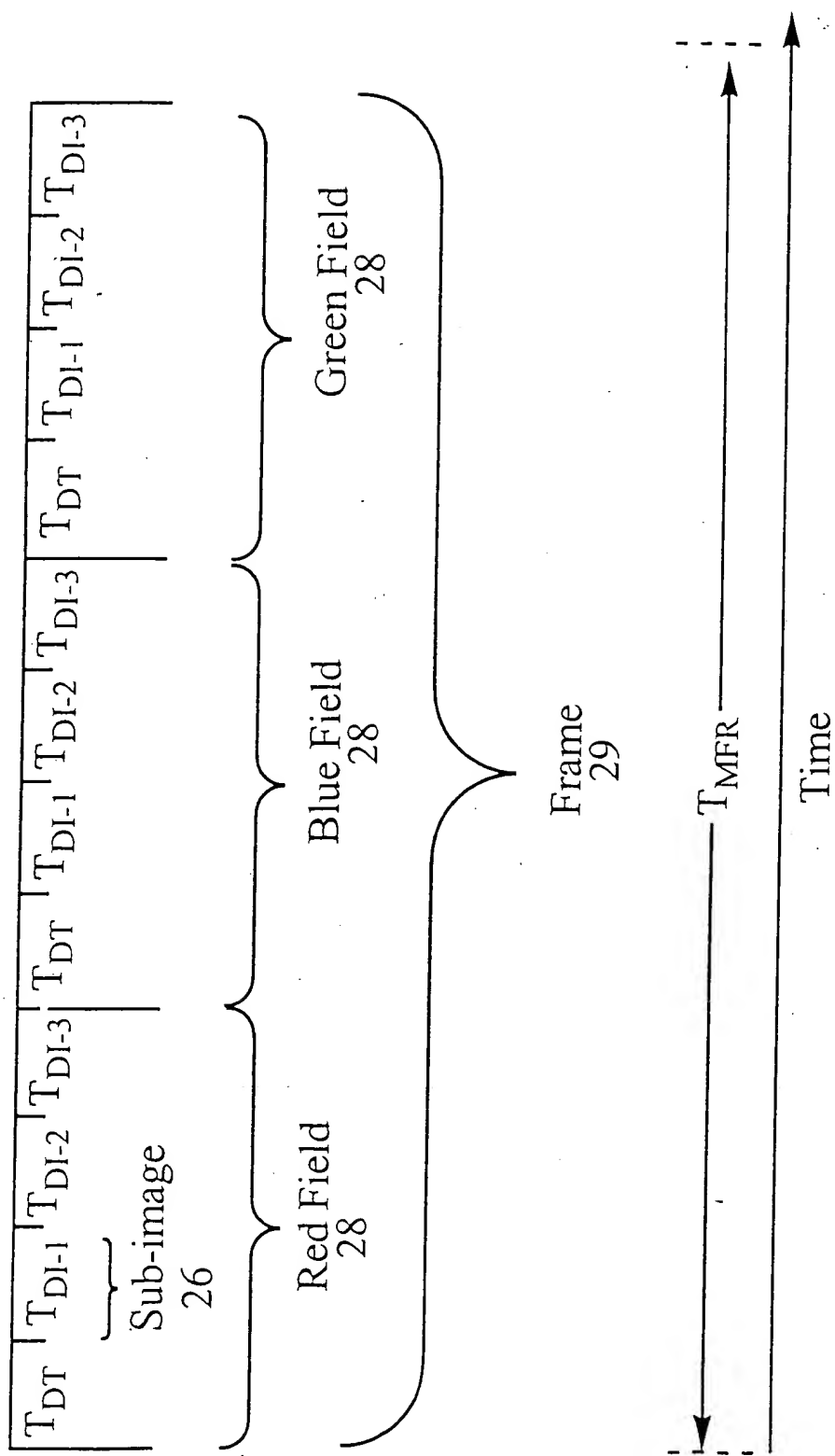


FIGURE 8C

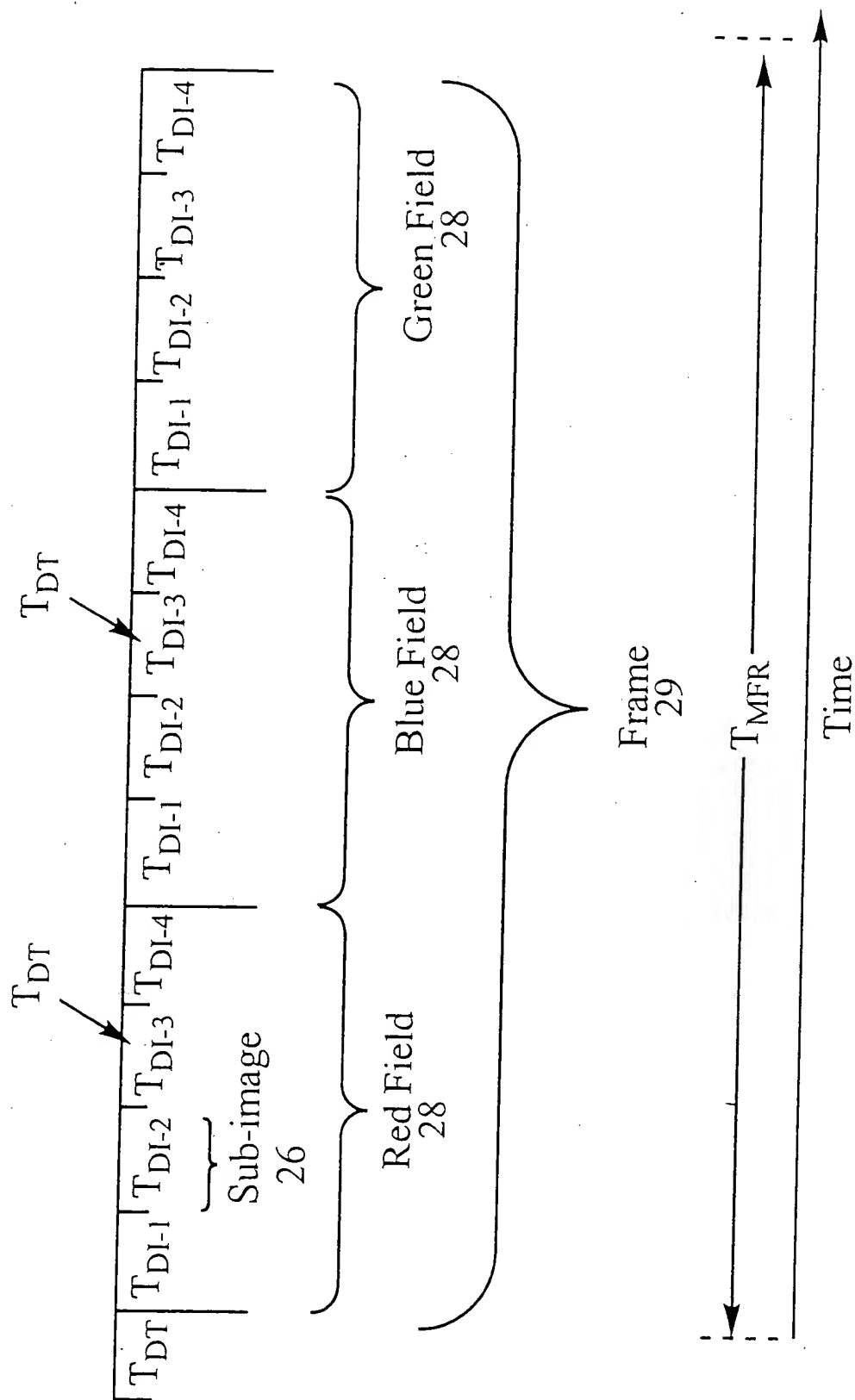
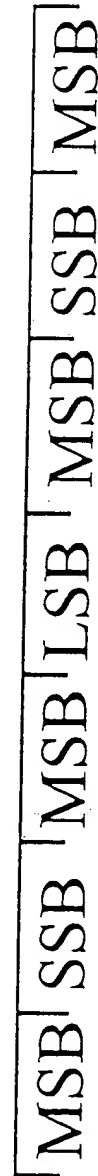


FIGURE 9A



FIGURE 9B



MSB most significant bit
SSB second significant bit
LSB least significant bit

FIGURE 10

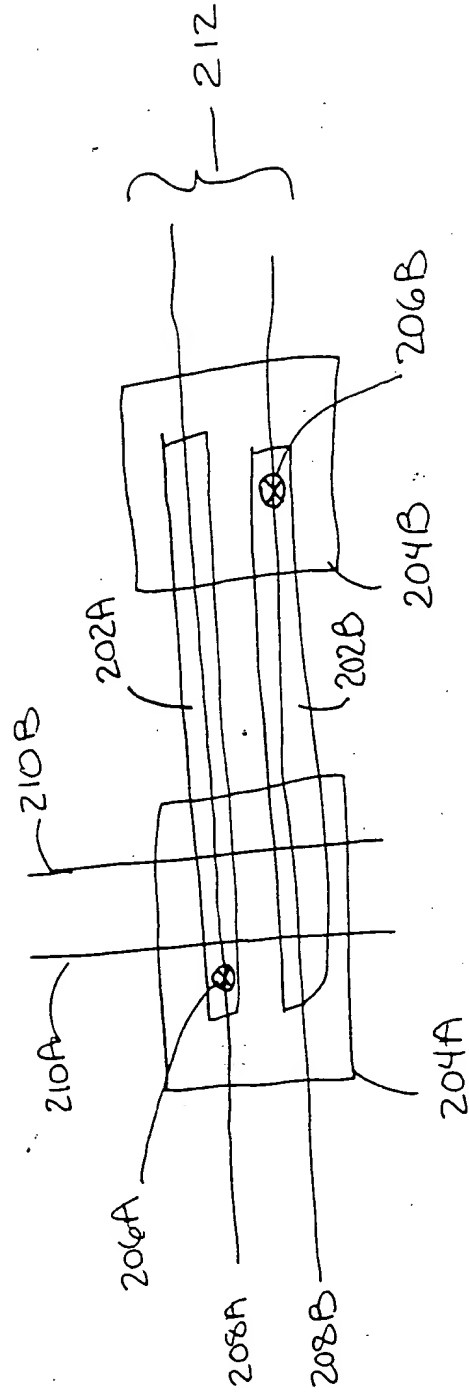


FIGURE 11

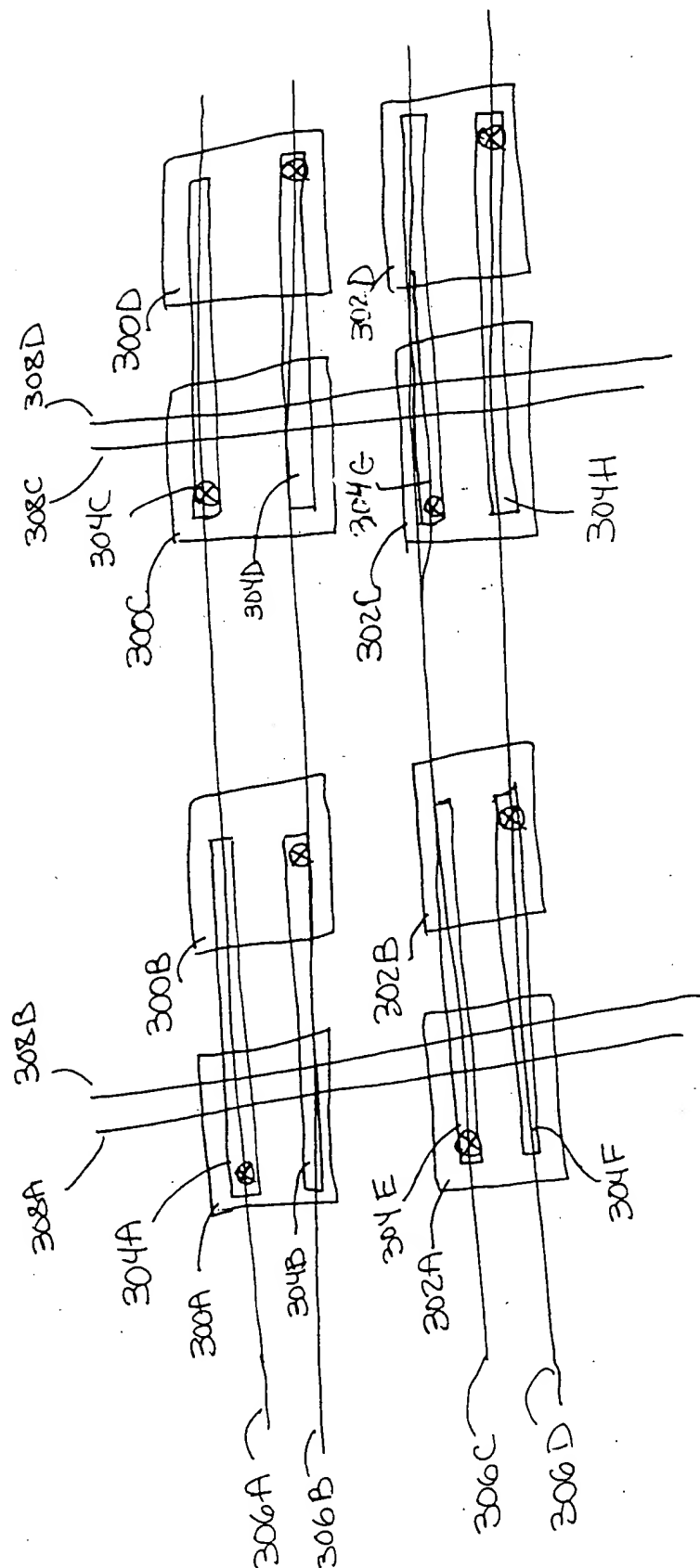


FIGURE 12

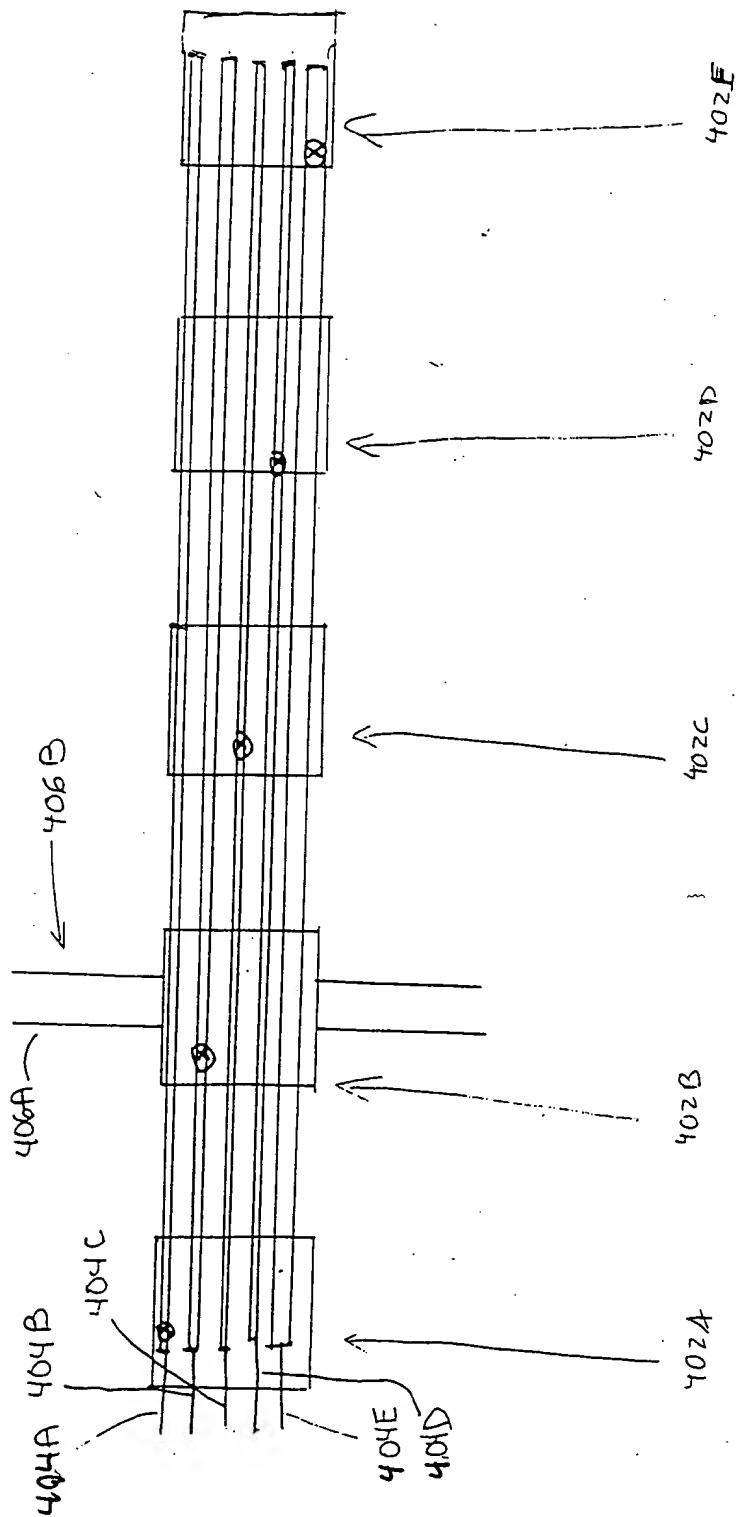


FIGURE 13

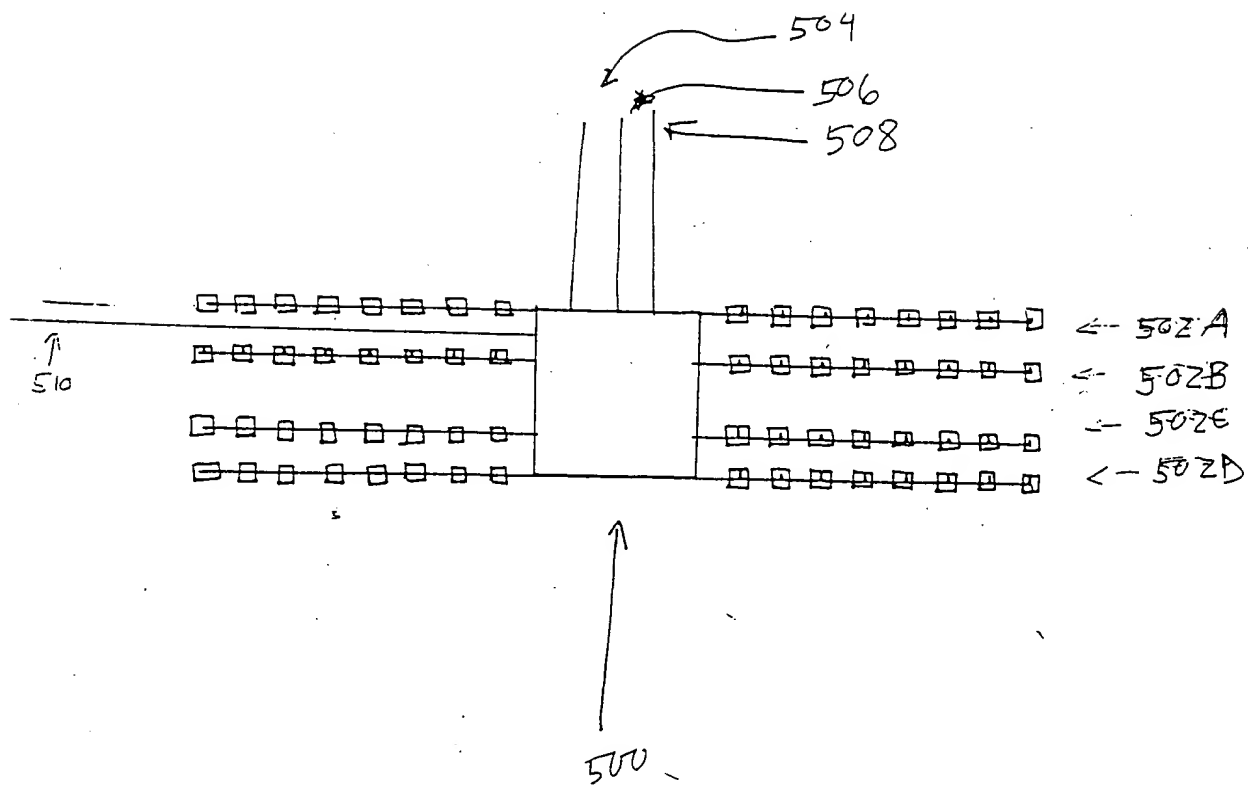


FIGURE 14

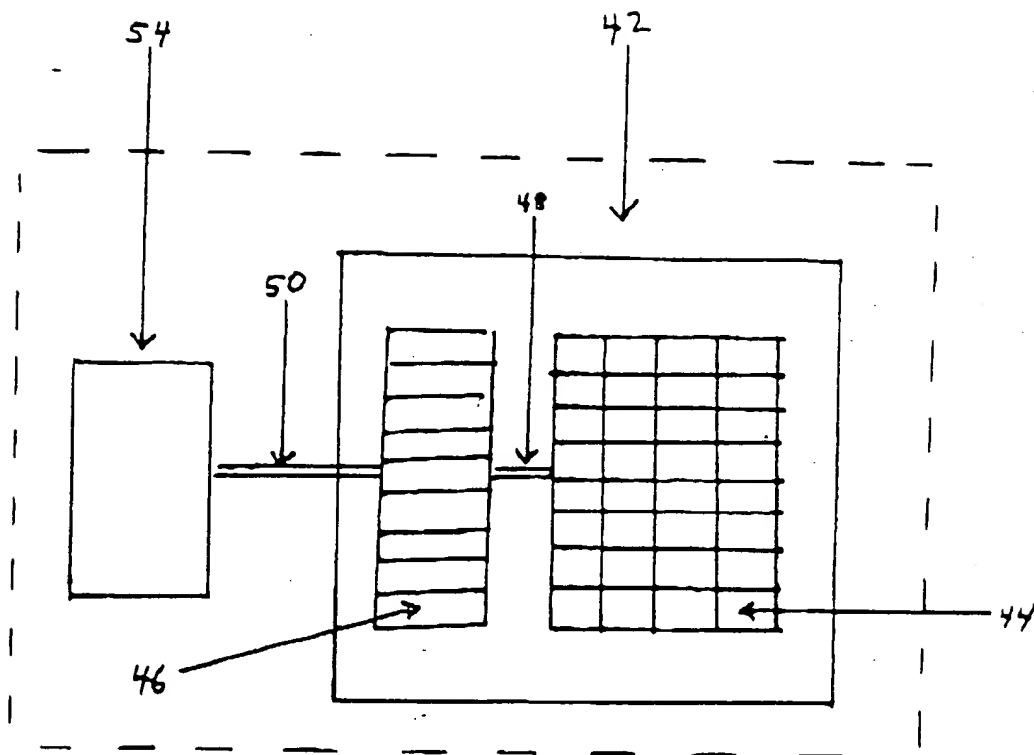
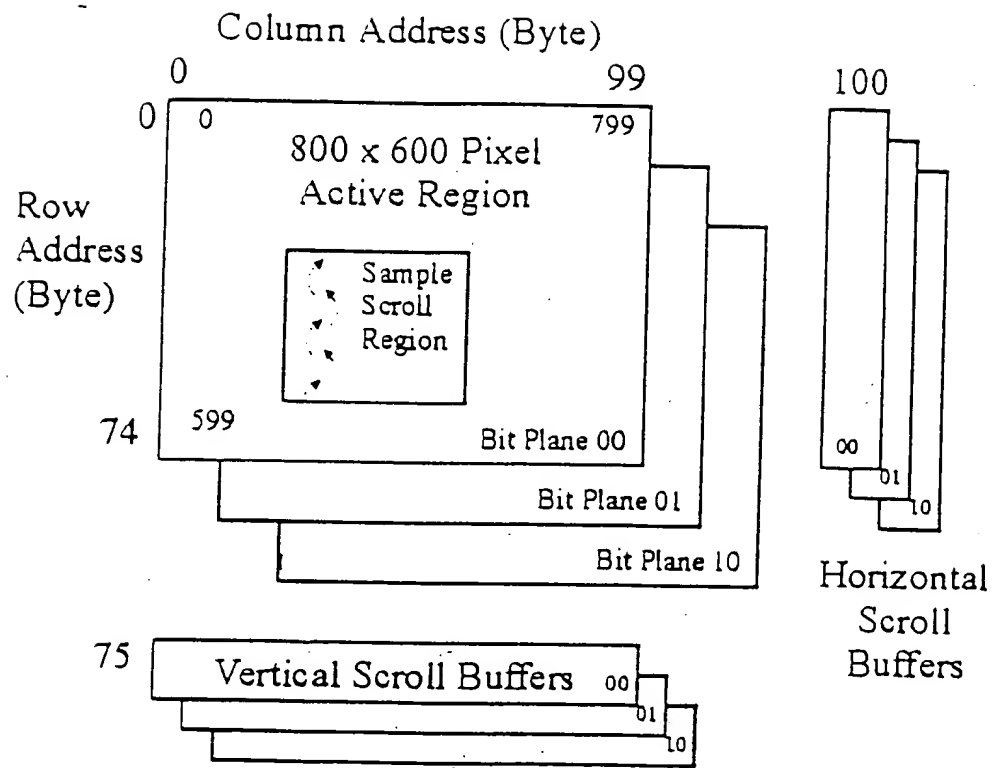
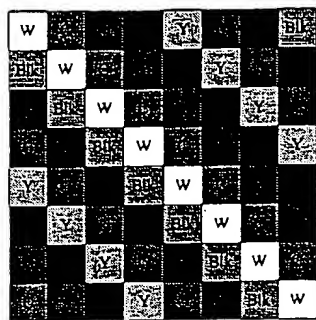


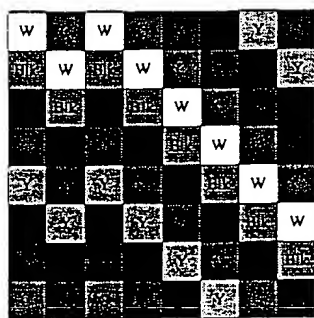
FIGURE 15A



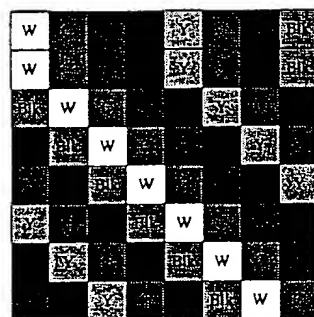


Original Scroll Region

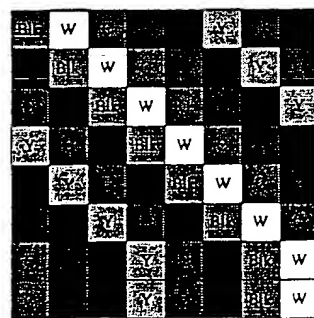
Key				Pixel
B	G	R	Color	
0	0	0	White	W
0	0	1	Cyan	
0	1	0	Magenta	
0	1	1	Blue	
1	0	0	Yellow	Y
1	0	1	Green	
1	1	0	Red	
1	1	1	Black	B



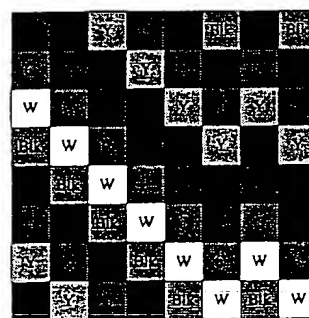
Scroll Left



Scroll Up



Scroll Down



Scroll Right

FIGURE 15B

FIGURE 16

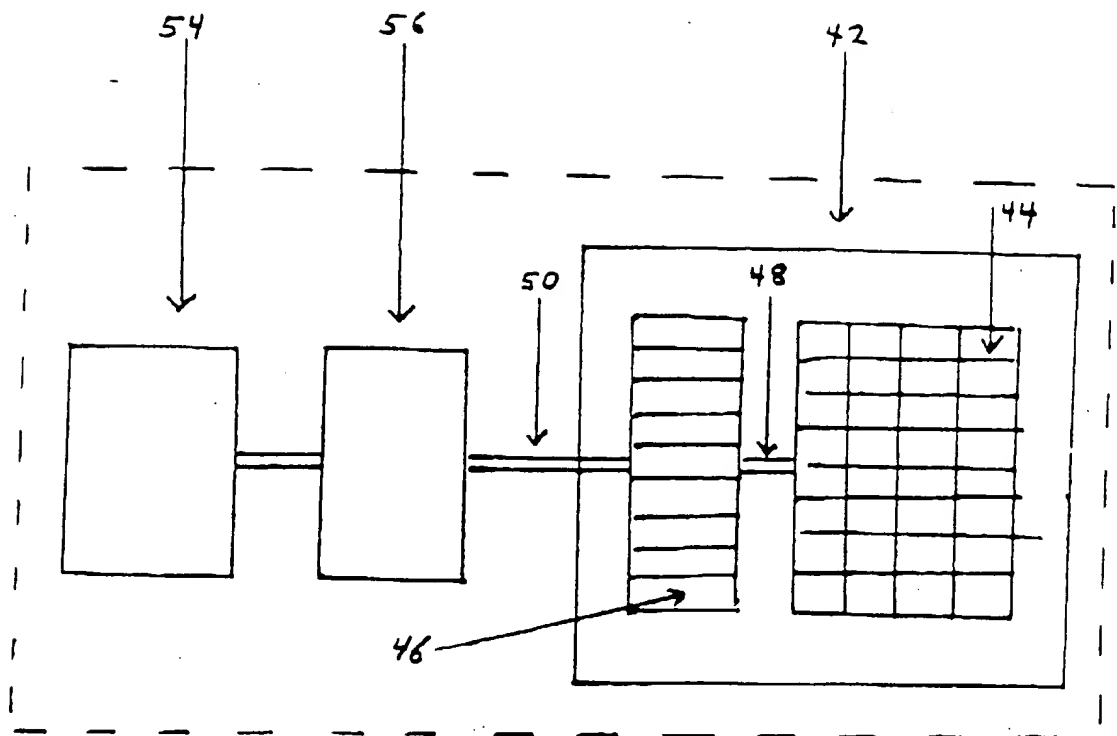


FIGURE 17

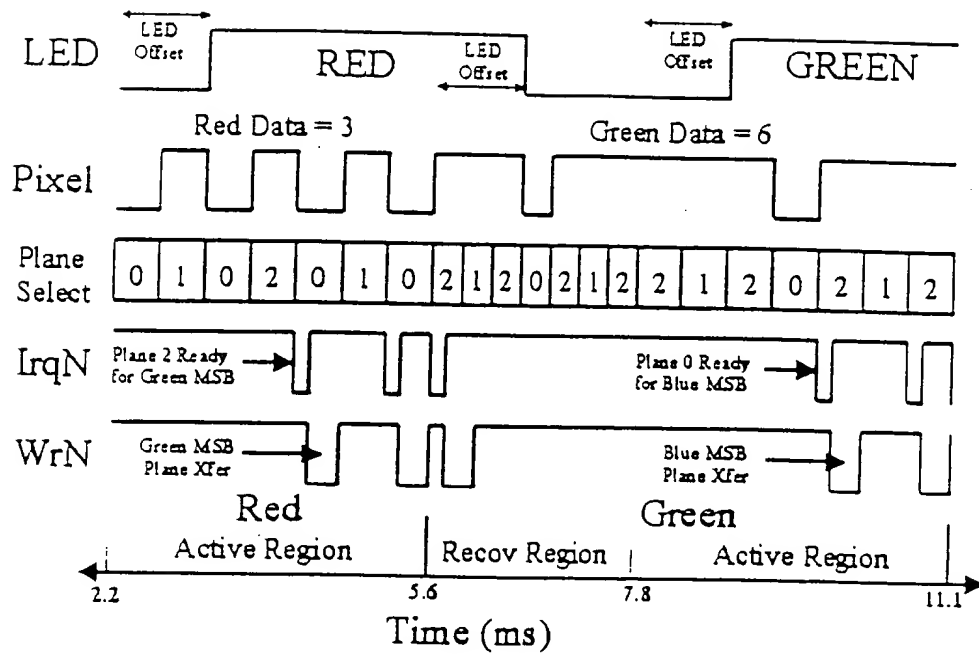
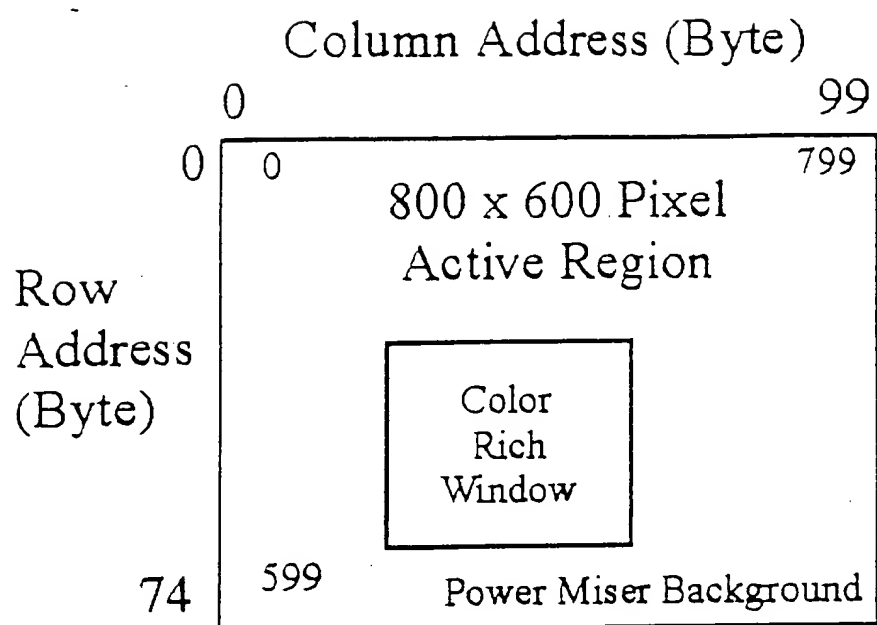


FIGURE 18



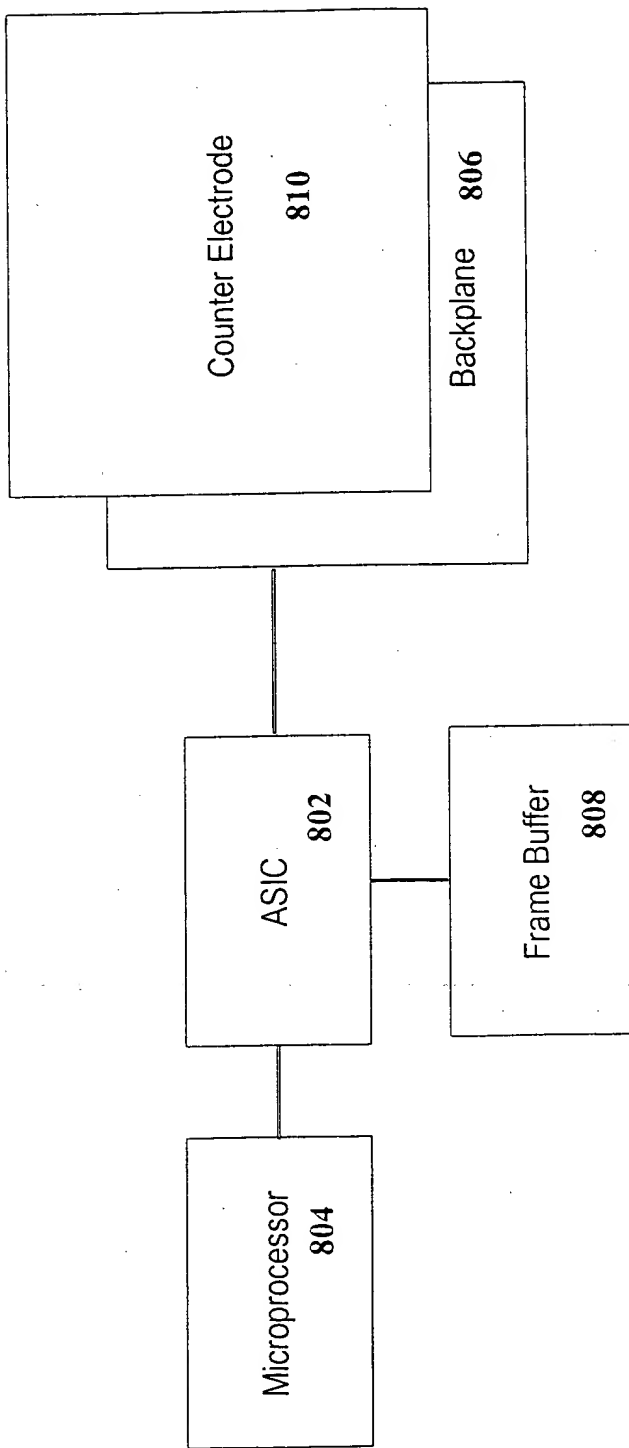


Fig. 19

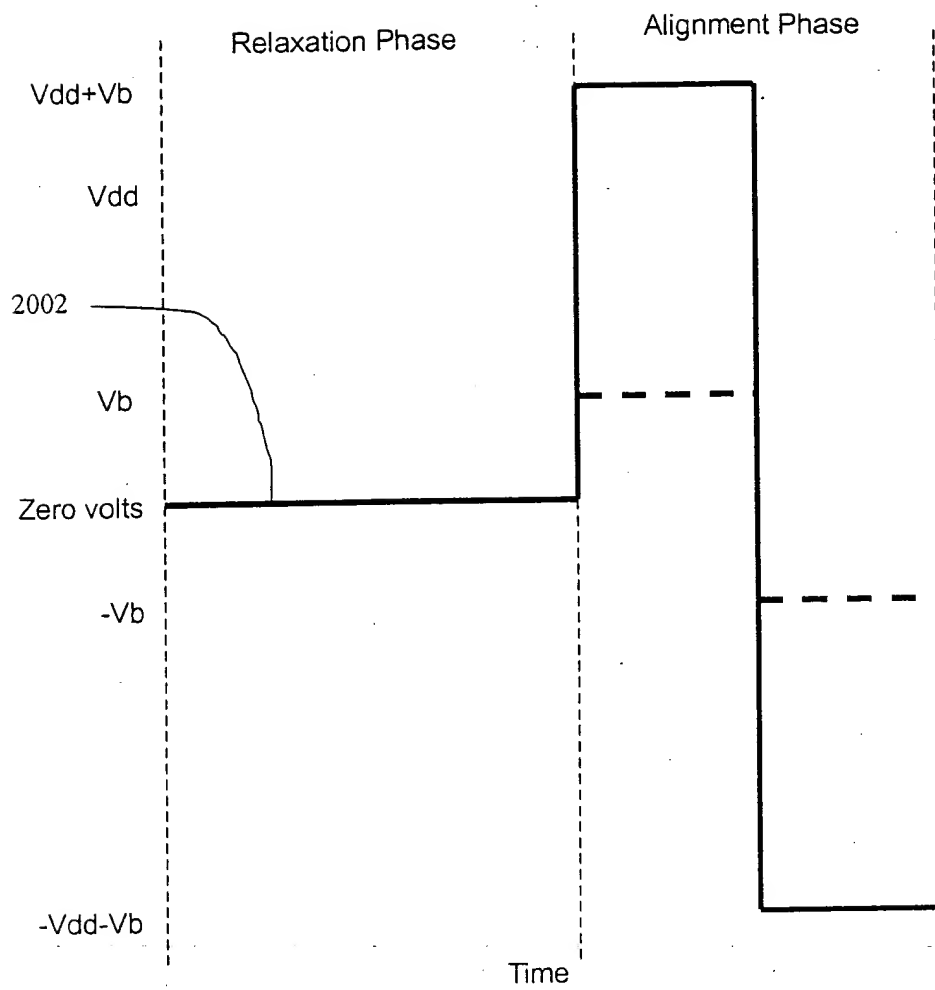


Fig. 20

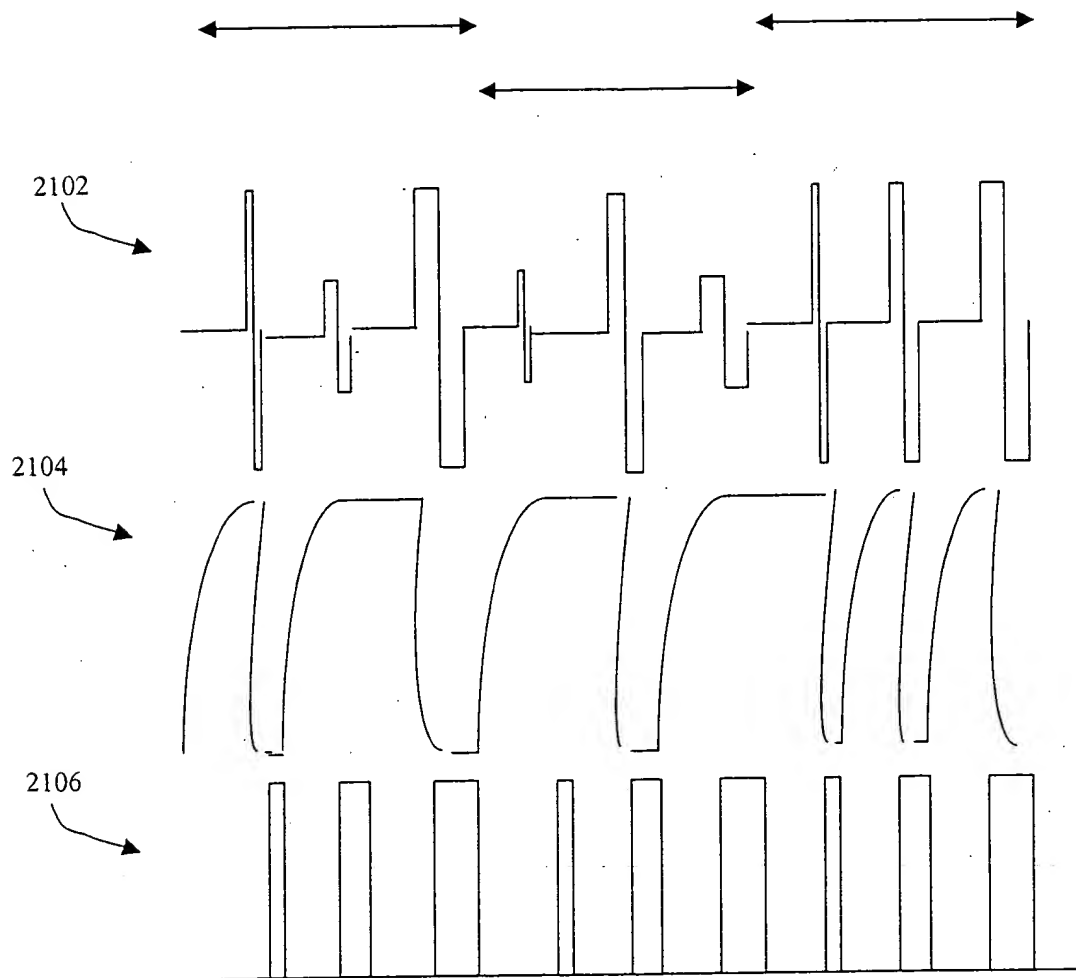


Fig. 21

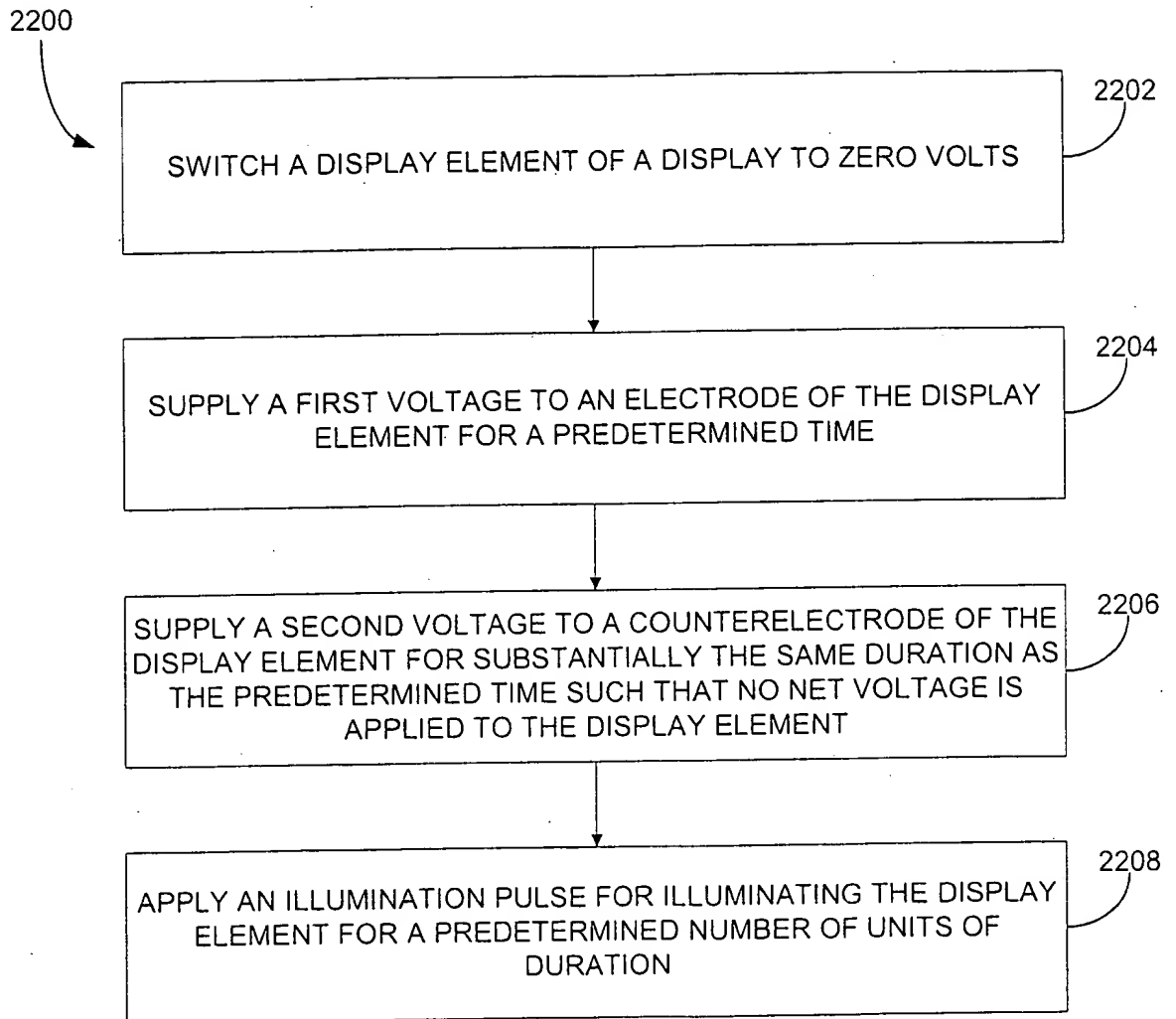


Fig. 22

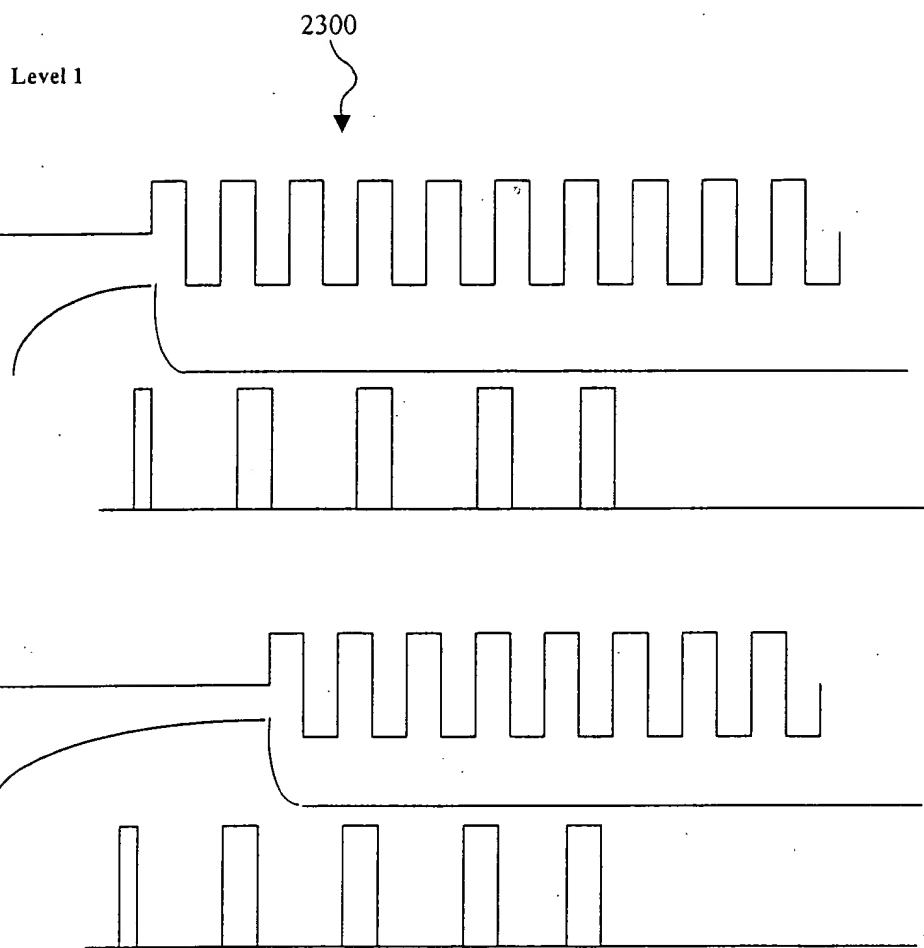


Fig. 23

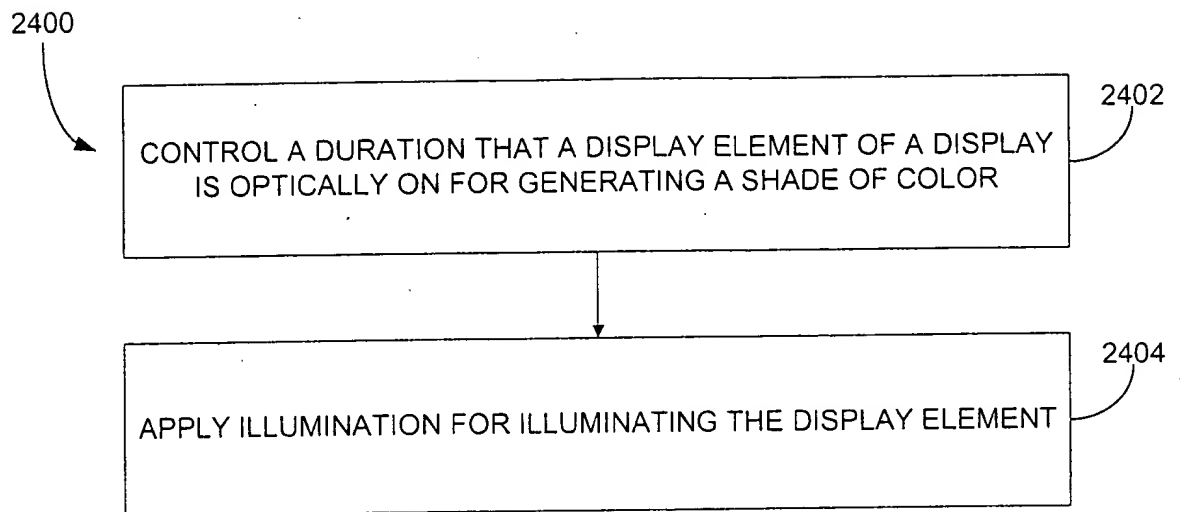


Fig. 24

FIG. 25A is a block diagram of a pixel circuit 2500. The pixel circuit 2500 includes a MUX 2501, a D/A converter 2502, a switch 2508, an op-amp 2506, a latch 2510, a level shifter 2512, and a pixel electrode 2514. The MUX 2501 has a REF INPUT and a DATA INPUT. The MUX 2501 is connected to the D/A converter 2502. The D/A converter 2502 is connected to the switch 2508. The switch 2508 is connected to the op-amp 2506. The op-amp 2506 is connected to the latch 2510. The latch 2510 is connected to the level shifter 2512. The level shifter 2512 is connected to the pixel electrode 2514. The op-amp 2506 is also connected to a capacitor 2504. The op-amp 2506 has a non-inverting input (+) and an inverting input (-). The non-inverting input (+) is connected to ground. The inverting input (-) is connected to the switch 2508 and the capacitor 2504. The output of the op-amp 2506 is connected to the latch 2510. The pixel circuit 2500 is used for driving a pixel electrode 2514.

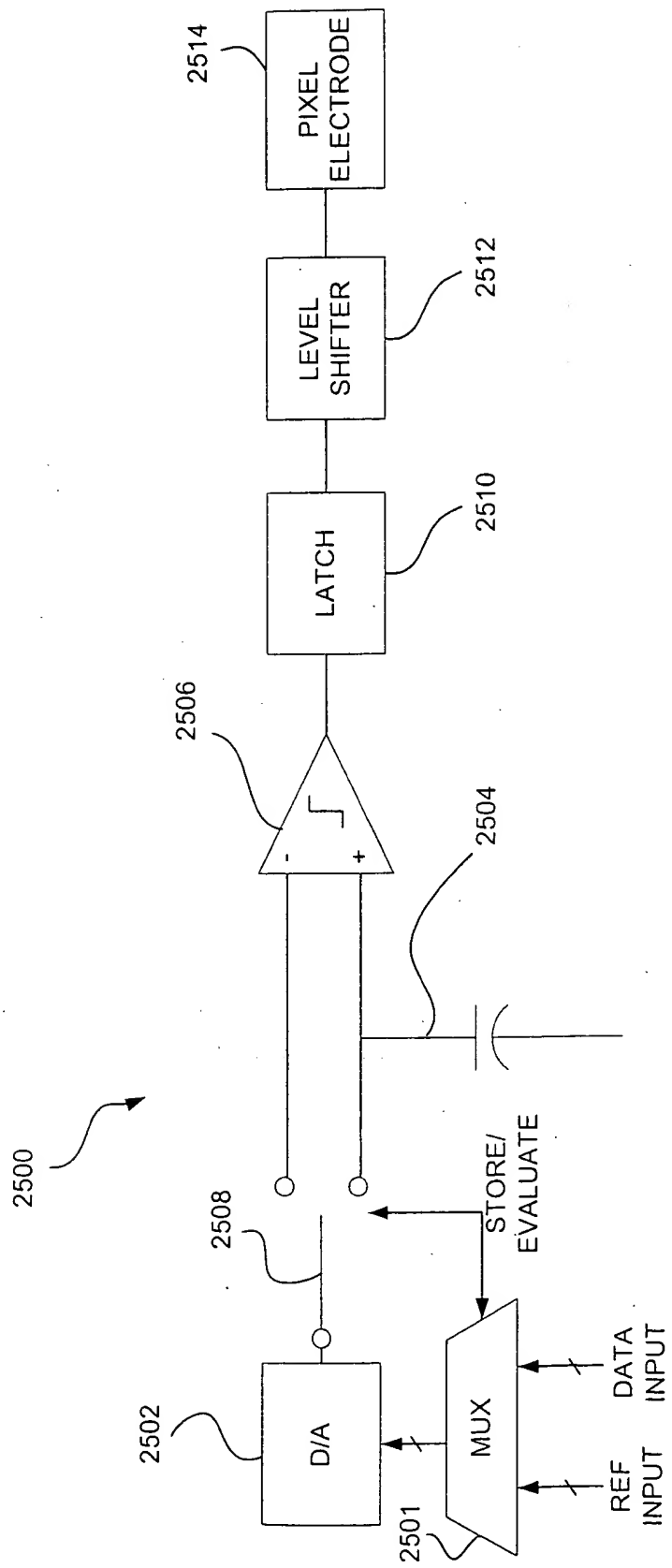


Fig. 25A

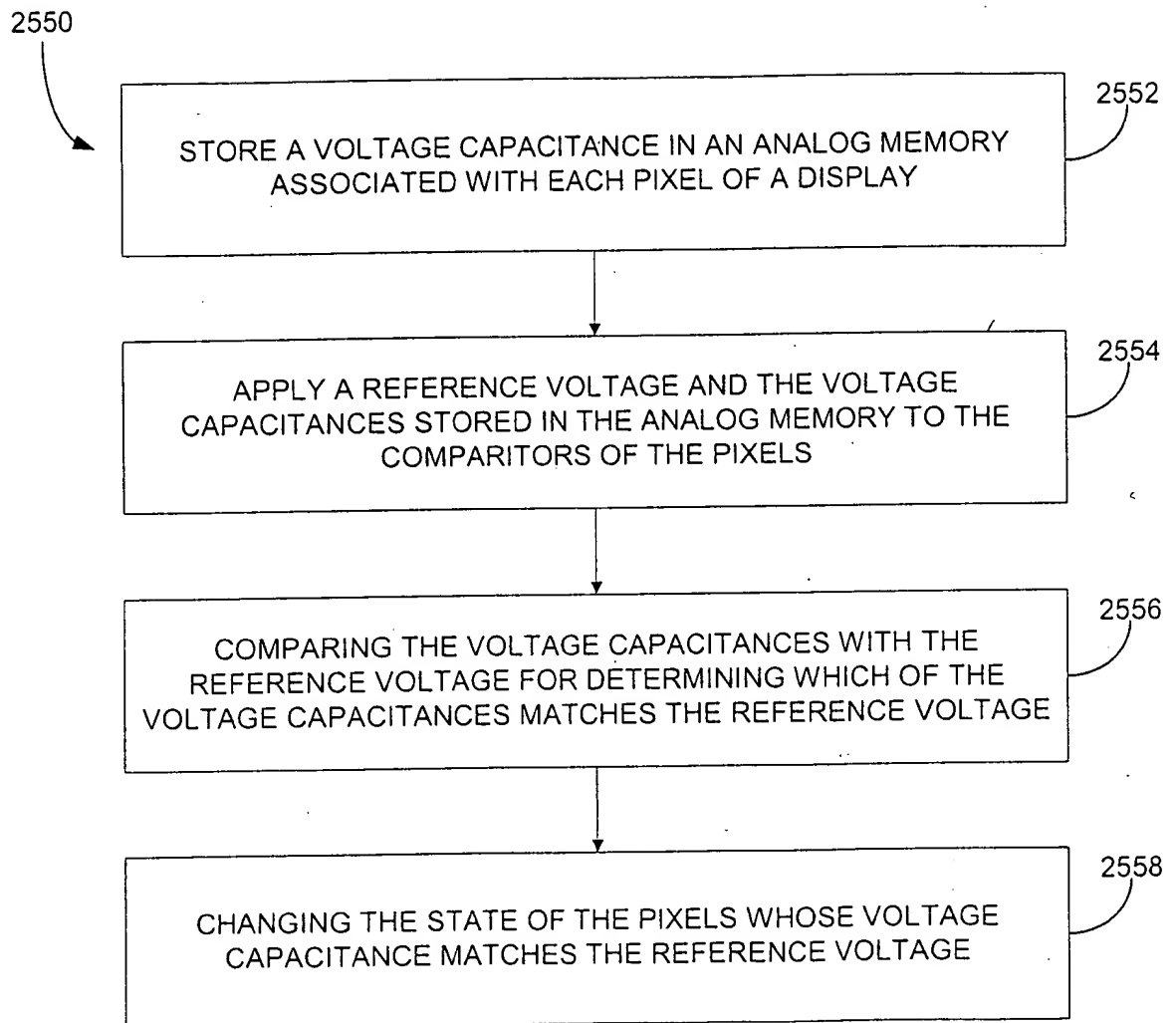


Fig. 25B

Columns

A	B	A	B
B	A	B	A
A	B	A	B

Rows

Fig. 26

Rows		Columns							
		A	B	C	D	A	B	C	D
		C	D	A	B	C	D	A	B
		B	A	D	C	B	A	D	C
		D	C	B	A	D	C	B	A
		A	B	C	D	A	B	C	D
		C	D	A	B	C	D	A	B

Fig. 27